

Abstract

Equipment for continuous, horizontal casting of metal, in particular aluminum. The horizontal casting equipment includes an insulated reservoir or pool (2), which is designed to contain liquid metal, and a releasably attached mold (3) that can be removed from the reservoir (2). An insulating plate (19) is provided with holes (25, 26) which communicate with the mold. The mold (3) includes a preferably circular mold cavity (17) ~~with~~ having a wall (12, 13) of permeable material for the supply of oil and gas. The wall provides primary cooling to the metal being cast and at least one slit or nozzles (16) arranged along the circumference of the cavity for the direct supply of coolant, thereby providing secondary cooling of the metal. The primary cooling is so designed that it may be increased or reduced. The insulating plate (19) is replaceable and, depending on the type of alloy and the cooling required, the plate may be designed to extend along the permeable material (12, 13) in the cavity (17).